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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(h))

Attorney Docket No. 06192.0171.NPUS00

First Named Inventor or Application Identifier Ik-Soo

Title LIQUID CRYSTAL DISPLAY DEVICE

Express Mail Label No.

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

Assistant Commissioner for Patents  
**ADDRESS TO:** Box Patent Application  
Washington, DC 20231

1. ☒ \*Fee Transmittal Form (Form PTO-1082)  
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages 38 ]  
(preferred arrangement set forth below)  
- Descriptive title of the Invention  
- Cross References to Related Applications  
- Statement Regarding Fed sponsored R&D  
- Reference to Microfiche Appendix  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claims  
- Abstract of the Disclosure
- ☒ Drawing(s) (35 USC 113) [Total Sheets 19 ]  
Oath or Declaration [Total Pages 4 ]
- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 17 completed)  
[Note Box 5 below]
- i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named  
in the prior application, see 37 CFR 1.63(d)(2) and  
1.33(b).
- ☐ Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy  
of the oath or declaration is supplied under Box 4b, is considered  
as being part of the disclosure of the accompanying application  
and is hereby incorporated by reference therein.

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identity of above  
copies

**ACCOMPANYING APPLICATION PARTS**

8. ☒ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement ☐ Power of  
(when there is an assignee) Attorney
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure ☐ Copies of IDS  
Statement (IDS)/PTO-1449 Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503) (Two)  
(should be specifically itemized)
14. ☐ \*Small Entity ☐ Statement filed in  
Statement(s) prior application,  
Status still proper  
and desired
15. ☒ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Other:

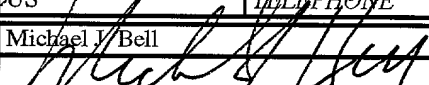
\*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY  
FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF  
ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

**17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:**

- ☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: /
- Prior Application Information: Examiner: Group/Art Unit:

**18. CORRESPONDENCE ADDRESS**

- ☒ Customer Number or Bar Code Label 22930 or ☐ Correspondence address below  
(Insert Customer No. or Attach bar code label here)

NAME	Michael J. Bell HOWREY SIMON ARNOLD & WHITE, LLP				
ADDRESS	Box No. 34 1299 Pennsylvania Avenue, N.W.				
CITY	Washington	STATE	DC	ZIP CODE	20004-2402
COUNTRY	US	TELEPHONE	202-783-0800	FAX	202-383-7195
Name (Print/Type)	Michael J. Bell		Registration No. (Attorney/Agent)	39,604	
Signature			Date	December 11, 2000	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



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A LIMITED LIABILITY PARTNERSHIP

December 11, 2000

**Box New Applications**

Assistant Commissioner for Patents  
Washington, DC 20231

Re: New Utility Non-Provisional Patent Application  
Application No. TO BE ACCORDED Filed HERewith  
Title: **LIQUID CRYSTAL DISPLAY DEVICE**  
Inventors: **Ik-Soo LEE, et al.**  
Our Ref: 06192.0171.NPUS00

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. U.S. Utility Patent Application entitled:

**LIQUID CRYSTAL DISPLAY DEVICE**

and naming as inventors: **Ik-Soo, LEE;**  
**Jong-Ho, WON;**  
**Choong-Seob, OH;**  
**Yoon-Soo, KWON; and**  
**Jin-Ho, HA**

the application consisting of:

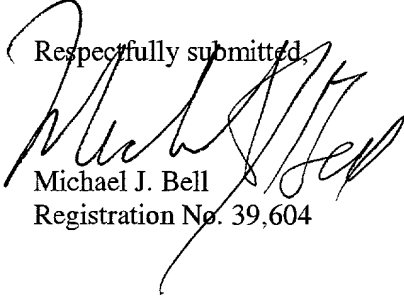
- a. A specification containing:
    - (i) 31 pages of description prior to the claims;
    - (ii) 6 pages of claims (20 claims);
    - (iii) a one (1) page abstract;
  - b. 19 sheets of drawings (Figures 1-3, 4A, 4B, 5A, 5B, 6A, 6B, 7, 8A, 8B, 9, 10A, 10B, 11-18, inclusive);
2. Form PTO-SB/05;
  3. Form PTO 1082;
  4. Copy of an executed combined Declaration and Power of Attorney;
  5. Recordation Form Cover Sheet;

6. Copy of executed Assignment to Samsung Electronics Co., Ltd., recordation of which is hereby respectfully requested;
7. Claim to Priority under 35 U.S.C. § 119(a)-(d);
8. Certified copies of Korean Patent Application Nos. 1999-56260 , filed December 9, 1999 and 2000-62369, filed October 23, 2000, priority of which are hereby claimed;
9. Check No. 341996 for \$710.00 to cover:  
    \$710.00 Filing fee for patent application;  
  
    Check No. 341997 for \$ 40.00 to cover:  
    \$ 40.00 Fee for Assignment Recordation; and
10. Two Return Postcards.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 08-3038 referencing docket number 06192.0171.NPUS00. *A duplicate copy of this letter is enclosed.*

Respectfully submitted,

  
Michael J. Bell  
Registration No. 39,604

Enclosures

001121 69269/50

**HOWREY SIMON ARNOLD & WHITE, LLP**  
**Box No. 34**  
**1299 Pennsylvania Avenue, NW**  
**Washington, DC 20004-2402**  
**(202) 783-0800**

Attorney Docket No. 06192.0171.NPUS00

ASSISTANT COMMISSIONER FOR PATENTS  
 Washington, DC 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventor: **Ik-Soo, LEE, et al.**  
 For: **LIQUID CRYSTAL DISPLAY DEVICE**

Enclosed is a new application comprising:

- ☒ A specification containing:  
 (i) 31 pages of description prior to the claims;  
 (ii) 6 pages of claims (20 claims); and  
 (iii) a one (1) page abstract

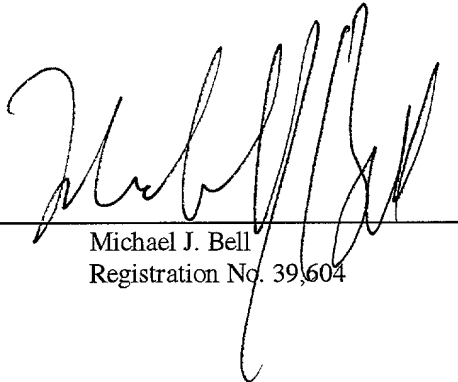
The filing fee has been calculated as shown below:

	(Col. 1)	(Col. 2)
FOR	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	20-20 =	0
INDEP. CLAIMS	1-3 =	0
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED		

\*If the difference in Col. 1 is less than zero, enter "0" in Col. 2

SMALL ENTITY		OR	OTHER THAN A SMALL ENTITY	
RATE	FEE		RATE	FEE
	\$ 345.00	OR		\$ 710.00
x 9 =		OR	x 18 =	
x 39 =		OR	x 78 =	
+ 130 =		OR	+ 260 =	
TOTAL		OR	TOTAL	\$710.00

Date December 11, 2000

  
 Michael J. Bell  
 Registration No. 39,604